

CLAIMS

- 1) A data receiver for receiving user data and reference data coming from a transmitter via at least a channel, comprising means for unscrambling and means for despreading received data, means for analyzing the characteristic of the channel, means for evaluating the contribution of interferences of data caused by the channel and a subtracter means intended for cancelling the contribution of interference in the user data, said subtracter means being placed before said unscrambling means.
- 2) A data receiver as claimed in claim 1, characterized in that the data are in compliance with the UMTS standard.
- 3) A data receiver as claimed in claim 2, characterized in that the reference data are provided by the CPICH channel.
- 4) A method for receiving user data and reference data coming from a transmitter via at least a channel which causes interference in the user data, the method comprising the following steps :
- analysing the characteristic of the channel by using the reference data,
 - determining an evaluation of the interferences of data provided by the channel
 - subtracting the evaluation of interference from the received user data and
 - unscrambling the user data.